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FORM PTO-1449	U.S. Department of Commerce Patent & Trademark Office	Attorney Docket No. 1680/43449DV	Serial No. 09/334,213
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant: Kenji CHIBA	
		Filing Date June 15, 1999	Group

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OTHER DOCUMENTS (Including Author, Title, Date, Volume, Page, etc.)									
131	AQ	K. CHIBA, et al. "FTY720, a Novel Immunosuppressant, Induces Sequestration of Circulating Lymphocytes by Acceleration of Lymphocyte Homing" Transplantation Proceedings, 1999							
131	AR	K. CHIBA, et al. "FTY720, a Novel Immunosuppressant, Induces Sequestration of Circulating Mature Lymphocytes by Acceleration of Lymphocyte Homing in Rats. I. FTY720 Selectively Decreases the Number of Circulating Mature Lymphocytes by Acceleration of Lymphocyte Homing" The American Association of Immunologists, 1998							
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EXAMINER <i>R. J. [Signature]</i>			DATE CONSIDERED <i>3/21/2002</i>						
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.									

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Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office		Atty. Docket No. 1560/43449		Serial No. 08/933 738 <i>09/371, 71</i>	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		Applicant Kenji CHIBA		Filing Date September 23, 1997	
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U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	AA	5,604,229	02/97	FUJITA et al.	514	255	
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FOREIGN PATENT DOCUMENTS							
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	AK	PCT/JP95/01654	08/95	Japan			
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	AO						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
AQ	Copending U.S. Application Serial No. 08/801,390, filed February 20, 1997.
AR	P. CRESSWELL, Ann. R. Immunol., Vol. 2, p. 259 (1994).
AS	M. R. JACKSON et al., Ann. R. Cell Biol., Vol. 9, p. 207 (1993).

EXAMINER 	DATE CONSIDERED 9/29/97
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## U.S. PATENT DOCUMENTS

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	AL						
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	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	J.F. BOREL et al., "The Biological Effects of Cyclosporin A: A New Antilymphocytic Agent", <i>Agents and Actions</i> , Vol. 6, pp. 468-475 (1976).
AR	J.F. BOREL, "Pharmacology of Cyclosporine (Sandimmune) IV. Pharmacological Properties In Vivo", <i>Pharmacological Rev.</i> , Vol. 41, pp. 259-371 (1989).
AS	T. KINO et al., "FK-506, A Novel Immunosuppressant Isolated From a Streptomyces. Fermentation, Isolation, and Physico-Chemical and Biological Characteristics", <i>J. Antibiotics</i> , Vol. 40, pp. 1249-1255 (1987).

EXAMINER

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	AO						
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AQ	T. KINO et al., "FK-506, A Novel Immunosuppressant Isolated From a <del>Streptomyces</del> II. Immunosuppressive Effect of FK-506 In Vitro", J. Antibiotics, Vol. 40, pp. 1256-1265 (1987).
AR	N. INAMURA et al., "Prolongation of Skin Allograft Survival in Rats by a Novel Immunosuppressive Agent, FK-506", Transplantation, Vol. 45, pp. 206-209 (1988).
AS	J. LIU et al., "Calcineurin is a Common Target of Cyclophilin-Cyclosporin A and FKBP-FK506 Complexes", Cell, Vol. 66, pp. 807-815 (1991).

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	"European FK506 Multicentre Liver Study Group. Randomised Trial Comparing Tacrolimus (FK506) and Cyclosporin in Prevention of Liver Allograft Rejection", <i>Lancet.</i> , Vol. 344, pp. 423-428 (1994).
AR	M. SLAPAK et al., "The Use of Low-Dose Cyclosporine in Combination With Azathioprine and Steroids in Renal Transplantation", <i>Transplant. Proc.</i> Vol. 1, No. 7, pp. 222-226 (1985).
AS	Y. KOKADO et al., "Low-Dose Cyclosporin Mizoribine and Prednisolone in Renal Transplantation: A New Triple-Drug Therapy", <i>Clin. Transplant.</i> Vol. 4, pp. 191-197 (1990).

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AQ	T. FUJITA et al., "Fungal Metabolites. Part 11. A Potent Immunosuppressive Activity Found in <i>Isaria Sinclairii</i> Metabolite", <i>J. Antibiotics</i> , Vol. 47, pp. 208-215 (1994).
AR	S. SASAKI et al., "Fungal Metabolites. Part 14. Novel Potent Immunosuppressants, Mycostatins, Produced by <i>Myceria Sterilia</i> ", <i>J. Antibiotics</i> , Vol. 47, pp. 420-433 (1994).
AS	T. FUJITA et al., "Fungal Metabolites. Part 12. Potent Immunosuppressant, 14-deoxomyriosin, (2S,3R,4R) - (E) -2-amino-3,4-dihydroxy-2-hydroxymethyleicos-6-enoic Acid and Structure-Activity Relationships of Myriocin Derivatives", <i>J. Antibiotics</i> , Vol. 47, pp. 216-224 (1994).

EXAMINER	DATE CONSIDERED
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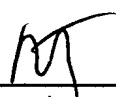
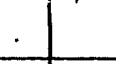

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	AN						
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	AQ	Tetsuro FUJITA et al., "Simple Compounds, 2-alkyl-2-amino-1,3-propanediols Have Potent Immunosuppressive Activity", BioMed. Chem. Lett., Vol. 5, No. 8, pp. 847-852 (1995).
	AR	T. FUJITA et al., "Potent Immunosuppressants, 2-alkyl-2-aminopropane-1,3-diols", J. Med. Chem., Vol. 39, pp. 4451-4459 (1996).
	AS	Kunitomo ADACHI et al., "Design, Synthesis, And Structure-Activity Relationships of 2-substituted-2-amino-1,3-propanediols: Discovery of a Novel Immunosuppressant, FTY720", BioMed. Chem. Lett., Vol. 5, No. 8, pp. 853-856 (1995).

EXAMINER

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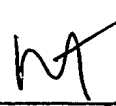
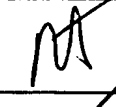

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	AQ	K. CHIBA et al., "FTY720, A Novel Immunosuppressant Possessing Unique Mechanisms. I. Prolongation of Skin Allograft Survival and Synergistic Effect in Combination with Cyclosporine in Rats", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1056-1059 (1996).
	AR	Barry D. KAHAN et al., "The Synergistic Interactions In Vitro and In Vivo of Brequinar Sodium with Cyclosporine or Rapamycin alone and in Triple Combination", <i>Transplantation</i> , Vol. 55, No. 4, pp. 894-900 (1993).
	AS	Y. HOSHINO et al., "FTY720, A Novel Immunosuppressant Possessing Unique Mechanisms. II. Long-Term Graft Survival Induction in Rat Heterotopic Cardiac Allografts and Synergistic Effect in Combination with Cyclosporine A", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1060-1061 (1996).

EXAMINER

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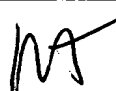
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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AQ	T. KAWAGUCHI et al., "FTY720, A Novel Immunosuppressant Possessing Unique Mechanisms. III. Synergistic Prolongation of Canine Renal Allograft Survival in Combination With Cyclosporine A", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1062-1063 (1996).
	AR	Seiichi SUZUKI et al., "A Novel Immunosuppressant, FTY720, With A Unique Mechanism of Action, Induces Long-Term Graft Acceptance in Rat and Dog Allotransplantation", <i>Transplantation</i> , Vol. 61, No. 2, pp. 200-205 (1996).
	AS	S. SUZUKI et al., "Long-Term Graft Acceptance in Allografted Rats and Dogs by Treatment With a Novel Immunosuppressant, FTY720", <i>Transplant. Proc.</i> , Vol. 28, No. 3, pp. 1375-1376 (1996).

EXAMINER

DATE CONSIDERED

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	AL						
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	AN						
	AO						
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
AQ		Hff. S. DAVIES et al., "Long-term Survival of Kidney Allografts in Dogs After Withdrawal of Immunosuppression With Cyclosporin and Azathioprine", <i>Eur. Surg. Res.</i> , Vol. 21, pp. 65-75 (1989).
AR		H. AMEMIYA et al., "Synergistic Effect of Cyclosporine and Mizoribine on Survival of Dog Renal Allografts", <i>Transplantation</i> , Vol. 46, pp. 768-771 (1988).
AS		Y. MASUBUCHI et al., "FTY720, A Novel Immunosuppressant, Possessing Unique Mechanisms. IV. Prevention of Graft Versus Host Reactions in Rats", <i>Transplant. Proc.</i> , Vol. 28, No. 2, pp. 1064-1065 (1996).

EXAMINER	DATE CONSIDERED
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	AM						
	AN						
	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	M.L. ARBONES et al., "Lymphocyte Homing and Leukocyte Rolling and Migration are Impaired in L-Selectin-Deficient Mice", <i>Immunity</i> , Vol. 1, pp. 247-260 (1994).
AR	A. HAMANN et al., "Role of $\alpha 4$ Integrins in Lymphocyte Homing To Mucosal Tissue In Vivo", <i>J. Immunol.</i> Vol. 152, pp. 3282-3293 (1994).
AS	Y. IMAI et al., "Sulphation Requirement For GlyCAM-1, An Endothelial Ligand For L-Selectin", <i>Nature</i> , Vol. 361, pp. 555-557 (1993).

EXAMINER

DATE CONSIDERED

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	AN						
	AO						
	AP						

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<del>AQ</del>	<del>C. BERLIN et al., "E. C. <math>\alpha_5\beta_1</math> Integrin Mediates Lymphocyte Binding to the Mucosal Vascular Addressin MacCAM-1", Cell, Vol. 74, pp. 185-195 (1993).</del>
<del>AR</del>	<del>B.D. KAHAN, Transplantation, Vol. 52, p. 185 (1991).</del>
<del>AS</del>	<del>R.S. SCHWARTZ et al., Nature, Vol. 183, p. 1682 (1959).</del>

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	AO						
	AP						

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AQ	<del>L.A. TURKA et al., J. Clin. Invest., Vol. 87, p. 940 (1991).</del>
AR	W.A. LEE et al., <del>Pharm. Res., Vol. 7, p. 161 (1990).</del>
AS	D.V. CRAMER et al., <del>Transplantation, Vol. 53, p. 303 (1992).</del>

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AQ	L.J. PICKER et al., "Physiological and Molecular Mechanisms of Lymphocyte Homing", Ann. Rev. Immunol., Vol. 10, p. 561 (1992)
AR	MILLER et al., Transplantation, Vol. 39, p. 555 (1987)
AS	M.J. DALLMAN et al., Immunol. Rev., Vol. 119, p. 163 (1991)

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AQ ~~M. J. DALLMAN et al., J. Exp. Med., Vol. 174, p. 493 (1991).~~AR ~~J. WANG et al., Science, Vol. 275, p. 1937 (1997).~~

NA AS F. SHANAHAN, "A Gut Reaction: Lymphoepithelial Communication in the Intestine", Science, Vol. 275, pp. 1897-1898 (1997).

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## FOREIGN PATENT DOCUMENTS

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	AK						
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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	T. TANAKA et al., "Characterization of a CD3-Like Rat T Cell Surface Antigen Recognized by a Monoclonal Antibody", J. Immunol., Vol. 142, p. 2791-2795 (1989).
AR	G. R. WOOLLETT et al., "Molecular and Antigenic Heterogeneity of the Rat Leukocyte-Common Antigen From Thymocytes and T and B Lymphocytes", Eur. J. Immunol., Vol. 15, p. 168-173 (1985).
AS	Y. MASAKI et al., "Microchimerism and Heart Allograft Acceptance", Transplant. Proc., Vol. 27, p. 148 (1995).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office	Atty. Docket No. 1560/43449	Serial No. 08/933,738
	Applicant Kenji CHIBA	
	Filing Date September 23, 1997	Group 1103

**INFORMATION DISCLOSURE STATEMENT**  
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**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
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**FOREIGN PATENT DOCUMENTS**

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AQ	C. LEGENDRE et al., "Prediction of Successful Allograft Rejection Retreatment With OKT3", <i>Transplantation</i> , Vol. 53, p. 94-94 (1992).
	AR	T. TAMATANI et al., "Characterization of Rat LECAM-1 (L-Selectin) by the Use of Monoclonal Antibodies and Evidence for the Presence of Soluble LECAM-1 in Rat Sera", <i>Eur. J. Immunol.</i> , Vol. 23, pp. 2181-2188 (1993).
	AS	L.M. McEVOY et al., "Anti-CD43 Inhibition of T Cell Homing", <i>J. Exper. Med.</i> , Vol. 185, No. 8, pp. 1493-1498 (1997).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office	Atty. Docket No. 1560/43449	Serial No. 08/933,738
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**U.S. PATENT DOCUMENTS**

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**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

AQ	T. TAMATANI et al., "Characterization of the Rat Leukocyte Integrin, CD11/CD18, by the Use of LFA-1 Subunit-Specific Monoclonal Antibodies", Eur. J Immunol., Vol. 21, pp. 627-633 (1991).
AR	A. SIEGLING et al., "A Novel Multiple Competitor Fragment For Quantitative PCR Analysis of Cytokine Gene Expression in Rats", J. Immunol. Methods, Vol. 177, p. 23-28 (1994).
AS	T. B. ISSEKATZ, Inhibition of In Vivo Lymphocyte Migration to Inflammation and Homing to Lymphoid Tissues by TA-2 Monoclonal Antibody", J Immunol., Vol. 147, pp. 4178-4184 (1991).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

U.S. Department of Commerce  
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## U.S. PATENT DOCUMENTS

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	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MA	AQ	M.L. Arbonés et al., "Lymphocyte Homing and Leukocyte Rolling and Migration Are Impaired in L-Selection-Deficient Mice," <u>Immunity</u> , Vol. 1, July 1994, pp. 247-260.
L	AR	M. Slapak et al., "The Use of Low-Dose Cyclosporine in Combination With Azathioprine and Steroids in Renal Transplantation," <u>Transplantation Proceedings</u> , Vol. XVII, No. 1, February 1985, pp. 1222-1226.
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EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

U.S. Department of Commerce  
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## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
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	AK						
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NA	AQ	P. Cresswell, "Assembly, Transport, and Function of MHC Class II Molecules," <u>Annu. Rev. Immunol.</u> , Vol. 12, pp. 259-293 (1994)
NA	AR	M.R. Jackson et al., "Assembly and Intracellular Transport of MHC Class I Molecules," <u>Annu. Rev. Cell Biol.</u> , Vol. 9, pp. 207-235 (1993)
NA	AS	J.C. Howard, "Supply and transport of peptides presented by class I MHC molecules," <u>Curr. Opin. Immunol.</u> , Vol. 7, pp. 69-76 (1995)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449  U.S. Department of Commerce Patent & Trademark Office	Atty. Docket No. 1560/43449	Serial No. 08/933,738
	Applicant KENJI CHIBA	
	Filing Date SEPTEMBER 23, 1997	Group 1644

**INFORMATION DISCLOSURE STATEMENT**  
(Use several sheets if necessary)

**U.S. PATENT DOCUMENTS**

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	BA						
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**FOREIGN PATENT DOCUMENTS**

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	BK						
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	BM						
	BN						
	BO						
	BP						

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

<i>M</i>	BQ	B.D. Kahan, "Medical Intelligence, Drug Therapy, Cyclosporine," <u>The New England Journal of Medicine</u> , Vol. 321, No. 25, pp. 1725-1738 (December 21, 1989)
<i>MA</i>	BR	J. Fung et al., "A Randomized Trial of Primary Liver Transplantation Under Immunosuppression with FK 506 vs Cyclosporine," <u>Transplantation Proceedings</u> , Vol. 23, No. 6, pp. 2977-2983 (December 1991)
<i>MA</i>	BS	J.F. Borel et al., "Biological Effects of Cyclosporin A: A New Antilymphocytic Agent," <u>Agents and Actions</u> , Vol. 6/4, pp. 468-475 (1976)

EXAMINER <i>M Jry</i>	DATE CONSIDERED <i>9/29/90</i>
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

U.S. Department of Commerce  
Patent & Trademark OfficeAtty. Docket No.  
1560/43449Serial No.  
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KENJI CHIBAFiling Date  
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## U.S. PATENT DOCUMENTS

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	CA						
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## FOREIGN PATENT DOCUMENTS

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	CK						
	CL						
	CM						
	CN						
	CO						
	CP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	CQ	J. F. Borel, "Pharmacology of Cyclosporine (Sandimmune) IV. Pharmacological Properties in Vivo," <u>Pharmacological Reviews</u> , Vol. 41, No. 3, pp. 259-371
	CR	T. Kino et al., "FK-506, A Novel Immunosuppressant Isolated from a <i>Streptomyces</i> , I. Fermentation, Isolation and Physico-Chemical and Biological Characteristics," <u>The Journal of Antibiotics</u> , Vol. 40, No. 9, pp. 1249-1255 (1987)
	CS	T. Kino et al., "FK-506, A Novel Immunosuppressant Isolated from a <i>Streptomyces</i> , II. Immunosuppressive Effect of FK-506 In Vitro," <u>The Journal of Antibiotics</u> , Vol. 40, No. 9, pp. 1256-1265 (September 1987)

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

U.S. Department of Commerce  
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1560/43449Serial No.  
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KENJI CHIBAFiling Date  
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## U.S. PATENT DOCUMENTS

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	DA						
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	DK						
	DL						
	DM						
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	DP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

NT	DQ	N. Inamura et al., "Prolongation of Skin Allograft Survival in Rats by a Novel Immunosuppressive Agent, FK506," <u>Transplantation</u> , Vol. 45, No. 1, pp. 206-209 (January 1988)
I	DR	J. Liu et al., "Calcineurin Is a Common Target of Cyclophilin-Cyclosporin A and FKBP-FK506 Complexes," <u>Cell</u> , Vol. 66, pp. 807-815, (August 23, 1991)
	DS	Y. Kokado et al., "Low-dose ciclosporin mizoribine and prednisolone in renal transplantation: A new triple-drug therapy," <u>Clin. Transplantation</u> , Vol. 4, pp. 191-197 (1990)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449 U.S. Department of Commerce Patent & Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		Atty. Docket No. 1560/43449		Serial No. 08/933,738	
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U.S. PATENT DOCUMENTS							
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
<div style="font-size: 2em; font-family: cursive;">NA</div>	EQ	T. Fujita et al., "Fungal Metabolites, Part 11. A Potent Immunosuppressive Activity Found in <i>Isaria sinclairii</i> Metabolite," <u>The Journal of Antibiotics</u> , Vol. 47, No. 2, pp. 208-215 (February 1994)
<div style="font-size: 2em; font-family: cursive;"> </div>	ER	T. Fujita et al., "Fungal Metabolites, Part 12. Potent Immunosuppressant, 14-Deoxomyriocin, (2S,3R,4R) - (E)-2-Amino-3,4-Dihydroxy-2-Hydroxymethyleicos-6-Enoic Acid and Structure-Activity Relationships of Myriocin Derivatives," <u>The Journal of Antibiotics</u> , Vol. 47, No. 2, pp. 216-224 (February 1994)
<div style="font-size: 2em; font-family: cursive;"> </div>	ES	S. Sasaki et al., "Fungal Metabolites. Part 14. Novel Potent Immunosuppressants, Mycestericins, Produced by <i>Mycelia sterilia</i> ," <u>The Journal of Antibiotics</u> , Vol. 47, No. 4, pp. 420-433 (April 1994)

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## U.S. PATENT DOCUMENTS

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	FK						
	FL						
	FM						
	FN						
	FO						
	FP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	FQ	H. ff. S. Davies et al., "Long-Term Survival of Kidney Allografts in Dogs After Withdrawal of Immunosuppression with Ciclosporin and Azathioprine," <u>Eur. Surg. Res.</u> , Vol. 21, pp. 65-75 (1989)
	FR	H. Amemiya et al., "Synergistic Effect of Cyclosporine and Mizoribine on Survival of Dog Renal Allografts," <u>Transplantation</u> , Vol. 46, No. 5, pp. 768-771 (November 1988)
	FS	M.L. Arbonés et al., "Lymphocyte Homing and Leukocyte Rolling and Migration are Impaired in <del>α</del> Selectin-Deficient Mice," <u>Immunity</u> , Vol. 1, pp. 247-260 (July 1994)

EXAMINER

DATE CONSIDERED

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Form PTO-1449

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## U.S. PATENT DOCUMENTS

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	GK						
	GL						
	GM						
	GN						
	GO						
	GP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

no	GQ	A. Hamann et al., "Role of $\alpha_4$ -Integrins in Lymphocyte Homing to Mucosal Tissues in Vivo," <u>Journal of Immunology</u> , Vol. 152, pp. 3282-3293 (1994)
1	GR	Y. Imai et al., "Sulphation requirement for GlyCAM-1, an endothelial ligand for L-selectin," <u>Nature</u> , Vol. 361, pp. 555-557 (February 11, 1993)
	GS	T. B. Issekutz, "Inhibition of In Vivo Lymphocyte Migration to Inflammation and Homing to Lymphoid Tissues by the TA-2 Monoclonal Antibody," <u>The Journal of Immunology</u> , Vol. 147, No. 12, pp. 4178-4184 (December 15, 1991)

EXAMINER

DATE CONSIDERED

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Form PTO-1449

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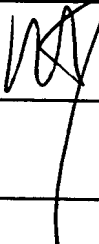
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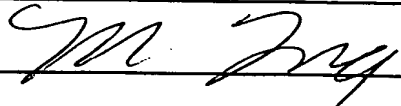
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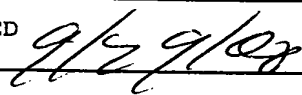
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	HQ	C. Berlin et al., "α4β7 Integrin Mediates Lymphocyte Binding to the Mucosal Vascular Addressin MadCAM-1," <u>Cell</u> , Vol. 74, pp. 185-195 (July 16, 1993)
	HR	B.D. Kahan et al., "Preclinical Evaluation of a New Potent Immunosuppressive Agent, Rapamycin," <u>Transplantation</u> , Vol. 52, No. 2, pp. 185-191 (August 1991)
	HS	R. Schwartz et al., "Drug-induced Immunological Tolerance," <u>Nature</u> , Vol. 183, p. 1682 (June 13, 1959)

EXAMINER



DATE CONSIDERED



EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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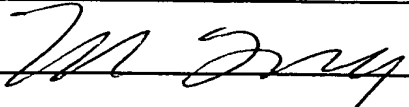
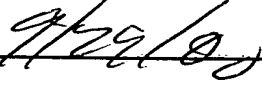
  

FOREIGN PATENT DOCUMENTS							
		Document	Date	Country	Class	Sub-class	Translation Yes   No
	IK						
	IL						
	IM						
	IN						
	IO						
	IP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	IQ	L.A. Turka et al., "Guanine Ribonucleotide Depletion Inhibits T Cell Activation," <u>J. Clin. Invest.</u> , Vol. 87, pp. 940-948 (March 1991)
	IR	W.A. Lee et al., "Bioavailability Improvement of Mycophenolic Acid Through Amino Ester Derivatization," <u>Pharmaceutical Research</u> , Vol. 7, No. 2, pp. 161-166 (1990)
	IS	D.V. Cramer et al., "The Effect of a New Immunosuppressive Drug, Brequinar Sodium, on Heart, Liver, and Kidney Allograft Rejection in the Rat," <u>Transplantation</u> , Vol. 53, No. 2, pp. 303-308 (February 1992)

EXAMINER 	DATE CONSIDERED 
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

Form PTO-1449

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## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	JA						
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		Document	Date	Country	Class	Sub-class	Translation Yes   No
	JK						
	JL						
	JM						
	JN						
	JO						
	JP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	JQ	L.J. Picker et al., "Physiological and Molecular Mechanisms of Lymphocyte Homing," <u>Ann. Rev. Immunol.</u> , Vol. 10, pp. 561-591 (1992)
	JR	J.E. Miller et al., "A New Model of Heterotopic Rat Heart Transplantation with Application for In Vivo <sup>31</sup> P Nuclear Magnetic Resonance Spectroscopy," <u>Transplantation</u> , Vol. 39, No. 5, pp. 555-558 (May 1985)
	JS	M.J. Dallman et al., "Cytokine Gene Expression: Analysis using Northern Blotting, Polymerase Chain Reaction and in situ Hybridization," <u>Immunological Reviews</u> , No. 119, pp. 163-179 (1991)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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08/933,738INFORMATION DISCLOSURE STATEMENT  
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## U.S. PATENT DOCUMENTS

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	KA						
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## FOREIGN PATENT DOCUMENTS

		Document	Date	Country	Class	Sub-class	Translation Yes   No
	KK						
	KL						
	KM						
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	KP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	KQ	M.J. Dallman et al., "Cytokine Gene Transcription in Vascularised Organ Grafts: Analysis Using Semiquantitative Polymerase Chain Reaction," <u>J. Exp. Med.</u> , Vol. 174, pp. 493-496 (August 1991)
	KR	J. Wang et al., "Local Hormone Networks and Intestinal T Cell Homeostasis," <u>Science</u> , Vol. 275, pp. 1937-1939 (March 28, 1997)
	KS	European FK506 Multicentre Liver Study Group, "Randomised trial comparing tacrolimus (FK506) and cyclosporin in prevention of liver allograft rejection", <u>The Lancet</u> , Vol. 344, pp. 423-428 (August 13, 1994)

EXAMINER:

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<b>Form PTO-1449</b> U.S. Department of Commerce Patent & Trademark Office		Atty. Docket No. 1560/43449		Serial No. 08/933,738	
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)		Applicant KENJI CHIBA			
		Filing Date SEPTEMBER 23, 1997		Group 1644	

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	LA						
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FOREIGN PATENT DOCUMENTS							
		Document	Date	Country	Class	Sub-class	Translation Yes   No
	LK						
	LL						
	LM						
	LN						
	LO						
	LP						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	LQ	T. Tanaka et al., "Characterization of a CD3-like Rat T Cell Surface Antigen Recognized by a Monoclonal Antibody," <u>The Journal of Immunology</u> , Vol. 142, No. 8, pp. 2791-2795 (April 15, 1989)
	LR	G.R. Woollett et al., "Molecular and antigenic heterogeneity of the rat leukocyte-common antigen from thymocytes and T and B lymphocytes," <u>Eur. J. Immunol.</u> , Vol. 15, pp. 168-173 (1985)
	LS	Y. Masaki et al., "Microchimerism and Heart Allograft Acceptance," <u>Transplantation Proceedings</u> , Vol. 27, No. 1, pp. 148-150 (February 1995)

EXAMINER 	DATE CONSIDERED 9/29/97
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U.S. Department of Commerce  
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## U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
	MA						
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## FOREIGN PATENT DOCUMENTS

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	MK						
	ML						
	MM						
	MN						
	MO						
	MP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	MQ	C. Legendre et al., "Prediction of Successful Allograft Rejection Retreatment with OKT3," <u>Transplantation</u> , Vol. 53, No. 1, pp. 87-90 (January 1992)
	MR	T. Tamatani et al., Characterization of rat LECAM-1 (L-selectin) by the use of monoclonal antibodies and evidence for the presence of soluble LECAM-1 in rat sera," <u>Eur. J. Immunol.</u> , Vol. 23, pp. 2181-2188, (1993)
	MS	L.M. McEvoy et al., "Anti-CD43 inhibition of T cell homing," <u>J. Exp. Med.</u> , Vol. 185, No. 8, pp. 1493-1498 (April 21, 1997)

EXAMINER

DATE CONSIDERED

EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.



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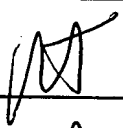
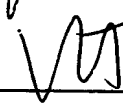
## U.S. PATENT DOCUMENTS

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	NK						
	NL						
	NM						
	NN						
	NO						
	NP						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	NQ	T. Tamatani et al., "Characterization of the rat leukocyte integrin, CD11/CD18, by the use of LFA-1 subunit-specific monoclonal antibodies," <u>Eur. J. Immunol.</u> , Vol. 21, pp. 627-633 (1991)
	NR	A. Siegling et al., "A novel multispecific competitor fragment for quantitative PCR analysis of cytokine gene expression in rats," <u>Journal of Immunological Methods</u> , Vol. 177, pp. 23-28 (1994)
	NS	

EXAMINER

DATE CONSIDERED

EXAMINER:

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**Notice of References Cited**Application No.  
**09/334,213**

Applicant(s)

**Chiba And Adachi**Examiner  
**Mary B. Tung**Group Art Unit  
**1644**

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**U.S. PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,219,884	6/1993	Fujita	514	472
B	5,948,820	9/1999	Fujita	514	653
C	6,004,565	6/1993	Chiba	424	278.1
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**FOREIGN PATENT DOCUMENTS**

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**Notice of References Cited**Application No.  
**08/933,738**Applicant(s)  
**Chiba And Adachi**Examiner  
**Mary Tung**Group Art Unit  
**1644**

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**U.S. PATENT DOCUMENTS**

<b>①</b>	<b>DOCUMENT NO.</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>
<b>A</b>	5,219,884	06/15/91	Fugita	514	472
<b>B</b>	5,719,175(6)	02/17/98	Fugita	514	440
<b>C</b>	5,037,958	08/06/91	Hashimoto	530	350
<b>D</b>	5,686,479	11/11/97	Okumoto	514	383
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**FOREIGN PATENT DOCUMENTS**

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**NON-PATENT DOCUMENTS**

<b>①</b>	<b>DOCUMENT (Including Author, Title, Source, and Pertinent Pages)</b>	<b>DATE</b>
<b>U</b>	Suzuki, S, et al., Transplantation. 61(2)200-205.	01/27/96
<b>V</b>	Adachi, K, et al., Biorgan. Med. Chem. Let. 5(8)853-856.	1995
<b>W</b>	Chiba, et al., Transplant. Proc. 28(2)1056-1059.	04/96
<b>X</b>	Hirose, R, et al., Bioorgan. Med. Chem. Let. 6(22)2647-2650.	1996

<b>Notice of References Cited</b>			Application No. <b>08/933,738</b>		Applicant(s) <b>Chiba And Adachi</b>	
			Examiner <b>Mary Tung</b>		Group Art Unit <b>1644</b>	
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U.S. PATENT DOCUMENTS						
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NON-PATENT DOCUMENTS	
①	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
U	Fujita, T., et al., Bioorgan. Med. Chem. Let. 5(16)1857-1860.
V	Chiba, K. and Adachi, K. Drugs of the Future. 22(1)18-22.
W	Suzuki, S. et al., Transplant. Proc. 28(4)2049-2050.
X	Enosawa, S., et al., Immunopharmacology 34:171-179.

**Notice of References Cited**Application No.  
**08/933,738**Applicant(s)  
**Chiba And Adachi**Examiner  
**Mary Tung**Group Art Unit  
**1644**

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**U.S. PATENT DOCUMENTS**

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**NON-PATENT DOCUMENTS**

<b>(3)</b>	<b>DOCUMENT (Including Author, Title, Source, and Pertinent Pages)</b>	<b>DATE</b>
U	Suzuki, S., et al., Immunology. 89:518-523.	1996
V		
W		
X		